

Title (en)

TIPPING IMPACT ABSORBING DEVICE FOR WHEELCHAIR

Title (de)

KIPPSTURZ ABSORBIERENDE VORRICHTUNG FÜR EINEN ROLLSTUHL

Title (fr)

DISPOSITIF AMORTISSEUR DE CHOC DE BASCULEMENT EQUIPANT UNE CHAISE ROULANTE

Publication

EP 1208829 A4 20070314 (EN)

Application

EP 01925977 A 20010426

Priority

- JP 0103646 W 20010426
- JP 2000132364 A 20000501
- JP 2001101036 A 20010330

Abstract (en)

[origin: EP1208829A1] A falling shock absorbing apparatus for wheelchair is provided capable of absorbing shock to the user in the case of falling of a wheelchair. In other words, the falling shock absorbing apparatus for wheelchair of the present invention includes an inflatable air bag for covering a predetermined parts of the wheelchair user when inflating, an inflation apparatus for inflating the air bag, an inclination detecting apparatus for detecting inclination of the wheelchair relative to the road surface, and a controller for activating the inflation apparatus to inflate the air bag when inclination of the wheelchair is detected by the inclination detecting apparatus. Thus, the air bag inflates to cover the predetermined parts of the wheelchair user when the wheelchair is tilted. <IMAGE>

IPC 8 full level

A61G 5/00 (2006.01); **A61G 5/02** (2006.01); **A61G 5/04** (2013.01); **A61G 5/10** (2006.01)

CPC (source: EP US)

A61G 5/10 (2013.01 - EP US); **A61G 5/1054** (2016.10 - EP US); **A61G 2203/42** (2013.01 - EP US); **A61G 2203/723** (2013.01 - EP US)

Citation (search report)

- [X] WO 9922966 A1 19990514 - DEKA PRODUCTS LP [US]
- [A] WO 9802122 A1 19980122 - DEKA PRODUCTS LP [US]
- [A] US 5052065 A 19911001 - WEST RAYMOND O [US]
- See references of WO 0182854A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 1208829 A1 20020529; **EP 1208829 A4 20070314**; **EP 1208829 B1 20090617**; DE 60138991 D1 20090730; JP 2002017790 A 20020122; JP 4769915 B2 20110907; US 2003071445 A1 20030417; US 6722692 B2 20040420; WO 0182854 A1 20011108

DOCDB simple family (application)

EP 01925977 A 20010426; DE 60138991 T 20010426; JP 0103646 W 20010426; JP 2001101036 A 20010330; US 1922401 A 20011228